

## Message Text

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PAGE 01 STATE 039770  
ORIGIN EB-08

INFO OCT-01 CIAE-00 COME-00 DODE-00 NSAE-00 USIA-06 TRSE-00  
EUR-12 ERDA-05 ISO-00 /032 R

DRAFTED BY EB/ITP/EWT - LROSS:JAS  
APPROVED BY EB/ITP/EWT - RPRACHT  
COMMERCE/OEA - CSEASWORD  
DEFENSE/OSD - LJAMES  
RPE

-----230140 005127 /73

R 222345Z FEB 77  
FM SECSTATE WASHDC  
TO USMISSION OECD PARIS

C O N F I D E N T I A L STATE 039770

EXCON

E.O. 11652: XGDS-1

TAGS: ESTC, COCOM, CZ, GW

SUBJECT: GERMAN MASK ALIGNMENT AND EXPOSURE EQUIPMENT TO  
CZECHOSLOVAKIA--IL 1355

REF: COCOM DOC (76) 1022

1. USDEL SHOULD MAINTAIN OBJECTION. THE MASK ALIGNMENT  
AND EXPOSURE EQUIPMENT IN THIS CASE IS NOW EMBARGOED BY  
IL 1355. THE QUESTION OF COVERAGE UNDER THE US COUNTER-  
PROPOSAL IN DOC. REV(74)1344/8 IS NOT REALLY RELEVANT  
SINCE THAT PROPOSAL WAS NOT ACCEPTED BY COCOM. IN ANY  
EVENT THIS EQUIPMENT IS LIKELY TO BE CAUGHT BY ANY FUTURE  
PROPOSAL THE US MIGHT MAKE ON ITEM 1355 IN VIEW OF THE  
CONCERN EXPRESSED BY US EXPERTS ABOUT EQUIPMENT HAVING  
DOUBLE ALIGNMENT AND EXPOSURE CAPABILITY. MASK ALIGNERS  
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WITH DOUBLE ALIGNMENT AND EXPOSURE FEATURE ARE SPECIFICALLY  
USED AS A KEY PIECE OF EQUIPMENT IN THE MANUFACTURE OF  
BEAM LEAD DEVICES FOR MILITARY EQUIPMENT.

2. AS WAS NOTED IN THE ORIGINAL US OBJECTION TO THIS CASE,  
CONTROL OVER THE TYPES OF DEVICES FOR WHICH THIS EQUIPMENT  
IS TO BE USED IS NOT POSSIBLE. IT IS NOT ESSENTIAL FOR THE

STATED END USE AND IT CAN BE USED FOR RESEARCH AND DEVELOPMENT OF BEAM LEAD AND RADIATION HARDENED DEVICES WHICH ARE PREDOMINANTLY USED FOR MILITARY PURPOSES. IN OUR JUDGMENT THERE IS HIGH PROBABILITY THAT THE EQUIPMENT WOULD BE DIVERTED TO SUCH USE SINCE THERE IS NO EVIDENCE OF AVAILABILITY WITHIN COCOM PROSCRIBED AREAS OF EQUIPMENT HAVING THE DOUBLE EXPOSURE CAPABILITY. (THE EAST GERMAN TYPE 2104 EQUIPMENT, CONCERNING WHICH BROCHURES WERE DEPOSITED AT THE SECRETARIAT, DOES NOT HAVE THIS CAPABILITY THE MJB 21 EQUIPMENT IN THIS CASE ALSO INCLUDES OTHER FEATURES NOT AVAILABLE ON THE 2104. THE SOVIET MODELS MENTIONED BY THE FRENCH DEL IN PARA. 6 OF COCOM DOC (76) 1049 CANNOT BE COMPARED TO THE MJB 21 SINCE THEY ARE USED TO FABRICATE MASKS AND HAVE NO CAPABILITY FOR ALIGNMENT OF MASKS ON A WAFER.)  
VANCE

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NNN

## Message Attributes

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**Current Classification:** UNCLASSIFIED  
**Concepts:** POLICIES, ELECTRONIC EQUIPMENT, STRATEGIC TRADE CONTROLS, IL 1355, EXPORT LICENSES  
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**Disposition Date:** 22 May 2009  
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**Review Markings:**  
Margaret P. Grafeld  
Declassified/Released  
US Department of State  
EO Systematic Review  
22 May 2009  
**Markings:** Margaret P. Grafeld Declassified/Released US Department of State EO Systematic Review 22 May 2009